

IN THE ABSTRACT:

The Abstract as amended below with a replacement Abstract showing added text with underlining and deleted text with ~~strikethrough~~.

~~The present invention provides a~~ A speaker verification apparatus and method including ~~inputting input~~ an identity claim, ~~selecting select~~ voice information of a registered speaker corresponding to the input identity claim, ~~inputting input~~ a voice of the speaker, ~~analyzing~~ analyze the input voice so as to extract a feature parameter, ~~calculating calculate~~ a verification distance between a feature parameter of the input voice and that of the voice of the registered speaker and the speaker distances between a feature parameter of the input voice and those of the voices of other speakers other than the registered speaker; and determining determine whether or not the input voice matches that of the registered speaker ~~corresponding to the input identity claim~~. A false acceptance error rate₁ is input as a threshold, and ~~the false acceptance error rate can be predetermined by a system manager or a user or can be adjusted depending on the performance. A and a~~ a probability distribution of interspeaker distances is obtained based on the calculated speaker distances between feature parameters of the voices of other registered speakers and that of the input voice. It is determined functions to determine that the input voice is the voice of the registered person specified by the identity claim, ~~in the case where the verification distance between a feature parameter of the voice of the registered speaker and that of the input voice is included in a rejection region of the input false acceptance error rate in the probability distribution of the interspeaker distances.~~